SIEMENS   Camera Installation
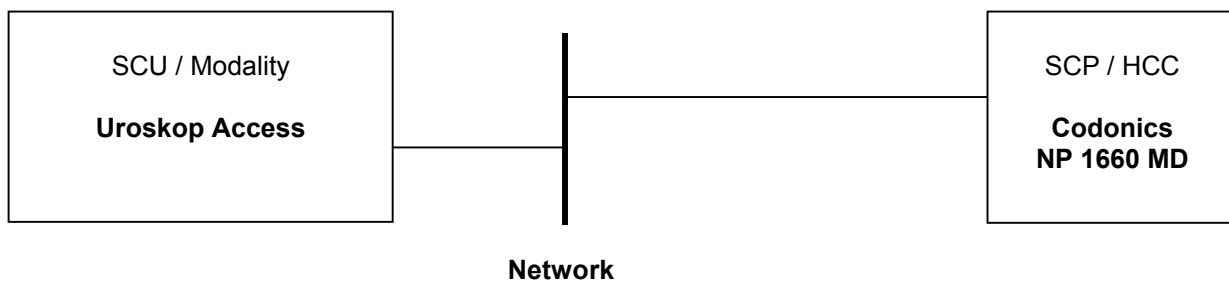
Product:	**Uroskop Access**
Title:	Specific Hardcopy Camera Information for Codonics NP 1660 MD
Affected systems:	Image System ASPIA
Replaces:	n.a.

1   General Information

1.1   Block Diagram

Network

1.2   Available Film Sizes

Application		ASPIA	Film Type	Medium Type
14"x17"	**Portrait**	n.a.	n.a.	n.a.
	Landscape	n.a.		
14"x14"	**Portrait**	n.a.	n.a.	n.a.
	Landscape	n.a.		
11"x14"	**Portrait**	n.a.	n.a.	n.a.
	Landscape	n.a.		
8"x10"	**Portrait**	**yes**	DirectVista 002-001-001. DV2 DryFilm Typ 10,11,12	**blue based**
	Landscape	**yes**		
others		n.a.	n.a.	n.a.

yes   - Film size is available and released
no   - Film size is available but not released
n.a.   - Film size is not available

1.3   Restrictions and known Effects

Strong noise rates covering test fields with 1% modulation
Kidney stone diagnostics is not released
Medical resolution is just reached.
Paper and Colour medias are not qualified.
For HCC-independent restrictions, see also the general restrictions in the document Uroskop Access, General Hardcopy Information.

2   Modality SW Configurations / Parameters

2.1   Configuration

Refer to: Uroskop Access, General Hardcopy Camera Information

Application Entity Properties	Display	Changes allowed yes/no
AE Title	PRINT_SCP	Yes
Port Number	104	No
Supported DICOM Services	Print	No

HC Device / General Settings		Display	Changes allowed
Type		DICOM printer	No
Class (Printer spec file name)		codonicsnp1660	No
DICOM Node		Codonics1660	Yes
Filming Properties		Display	Changes allowed
Hold printed film jobs		10	Yes
Min. density		0.20	Yes
Pixel Size [1/1000 mm]		84.0x84.0	No
Film Sheet Formats Portrait	Number of pixels [columns x rows]	Inches8x10 2280x2565	In "define new" Do not modify/add Select only Delete only
Film Sheet Formats Landscape	Number of pixels [columns x rows]	Inches8x10 2564x2280	In "define new" Do not modify/add Select only Delete only
Medium Type		blue film	No
Film Destination		processor	No
Color appearance		monochrome	No
Background		black	Yes
Transformation		no magnification	No
Note: Do not modify and/or add film sizes. Do not modify pixel sizes. Delete film sizes that are not available at customer site.			

2.2   Error and Warning Messages

Printer Status info	Description	Message string visible in the Status Bar	Other action for syngo/camera symbol
STANDARD	Printer is ready.	Camera is ready.	<None>/Normal
LOAD A-SIZE	Load A-size media.	Load A-size media.	<None>/interact
LOAD A-DVPAPER	Load A-size black and white paper.	Load A-size black and white paper.	<None>/interact
LOAD A-CVPAPER	Load A-size color paper.	Load A-size color paper.	<None>/interact
LOAD A-CVTRANS	Load A-size transparencies.	Load A-size transparencies.	<None>/interact
LOAD A4-SIZE	Load A4-size media.	Load A4-size media.	<None>/interact
LOAD A4-DVPAPER	Load A4-size black and white paper.	Load A4-size black and white paper.	<None>/interact
LOAD A4-CVPAPER	Load A4-size color paper.	Load A4-size color paper.	<None>/interact
LOAD A4-CVTRANS	Load A4-size transparencies.	Load A4-size transparencies.	<None>/interact
LOAD LA-SIZE	Load LA-size media.	Load LA-size media.	<None>/interact
LOAD LA-DVPAPER	Load LA-size black and white paper.	Load LA-size black and white paper.	<None>/interact
LOAD LA-CVPAPER	Load LA-size color paper.	Load LA-size color paper.	<None>/interact
LOAD LA-CVTRANS	Load LA-size transparencies.	Load LA-size transparencies.	<None>/interact
LOAD LA4-SIZE	Load LA4-size media.	Load LA4-size media.	<None>/interact
LOAD LA4-DVPAPER	Load LA4-size black and white paper.	Load LA4-size black and white paper.	<None>/interact
LOAD LA4-CVPAPER	Load LA4-size color paper.	Load LA4-size color paper.	<None>/interact
LOAD LA4-CVTRANS	Load LA4-size transparencies.	Load LA4-size transparencies.	<None>/interact
LOAD XLA-SIZE	Load XLA-size media.	Load XLA-size media.	<None>/interact
LOAD XLA-DVPAPER	Load XLA-size black and white paper.	Load XLA-size black and white paper.	<None>/interact
LOAD XLA-CVPAPER	Load XLA-size color paper.	Load XLA-size color paper.	<None>/interact
LOAD XLA-CVTRANS	Load XLA-size transparencies.	Load XLA-size transparencies.	<None>/interact
LOAD XLA4-SIZE	Load XLA4-size media.	Load XLA4-size media.	<None>/interact
LOAD XLA4-DVPAPE	Load XLA4-size black and white paper.	Load XLA4-size black and white paper.	<None>/interact
LOAD XLA4-CVPAPE	Load XLA4-size color paper.	Load XLA4-size color paper.	<None>/interact
LOAD XLA4-CVTRAN	Load XLA4-size transparencies.	Load XLA4-size transparencies.	<None>/interact
LOAD XLW-SIZE	Load XLW-size media.	Load XLW-size media.	<None>/interact
LOAD XLW-DVPAPER	Load XLW-size black and white paper.	Load XLW-size black and white paper.	<None>/interact
LOAD XLW-CVPAPER	Load XLW-size color paper.	Load XLW-size color paper.	<None>/interact
LOAD 8X10-SIZE	Load 8x10 media.	Load 8x10 media.	<None>/interact
LOAD 8X10-DVFILM	Load 8x10 black and white film.	Load 8x10 black and white film.	<None>/interact

SUPPLY MISSING	The film supply magazine specified for this job is not available.	Film supply not available.	<None>/interact
RIBBON MISSING	Ribbon is missing.	Ribbon is missing.	<None>/interact
RIBBON EMPTY	Ribbon is empty.	Ribbon is empty.	<None>/interact
TOP COVER OPEN	Top cover of printer is open.	Top cover of camera is open.	<None>/interact

3   Hardcopy Camera, Configuration

3.1   Identification

Device Name:	NP 1660 MD
Manufacturer:	Codonics
Device-Type:	Direct Thermal Printer
SW Revision:	Op.-SW.3.0.2,DICOM 2.5.0
Image Memory:	96MB (16MB RAM,80MB virtual)
Harddisk:	2.1GB (950MB available for spooling)
Physical Network Interface:	Build in DICOM Interface; Ethernet, RJ45, UTP/STP Network cable cat.5.

3.2 SCP / Printer Settings (provided by OEM)

file name	Content		remarks
There is no file available on printer	SETUP; IMAGE; DVFILM :	GAMMA : 1,0 CONTRAST : 0 ROTATE : NEVER ANTIALIAS : NONE SCALING : BILIN DMAX : 10	The following table shows the default printer setting from printer front panel.
	SETUP; MEDIA; (GRAY)DV :	FILM TYPE : 11 DVLUT : LINEAR	Note: 010 ; 011 ; 012 Filmtype available

Maximum number of associations supported:	8

4 Image Quality and Optical Density

4.1 Reference Film and LUT

Refer to: Uroskop Access, General Hardcopy Camera Information

4.2 Real Size Scaling

n.a.

5 Abbreviations

DCS	DICOM Conformance Statement
DICOM	Digital Imaging and Communication in Medicine
HW / SW	Hardware / Software
HCC	Hardcopy Camera
LUT	Look Up Table
OEM	Original Equipment Manufacturer
SCP	Service Class Provider
SCU	Service Class User
TCP/IP	Transfer Control Protocol / Internet Protocol

6 Changes to Previous Version

n.a.